



EPA's *Ocean Survey Vessel Peter W. Anderson* collects crucial coastal information in support of coastal and marine protection programs. Sailing year-round along the Atlantic and Gulf Coasts and in the Caribbean, the *OSV Anderson* collects information from harbors, ports, and off-shore waters to identify and monitor the environmental problems affecting our oceans, bays, and estuaries. The *OSV Anderson* also serves as a classroom, opening up for tours at various events to educate people about ocean and coastal pollution issues.

This 165- foot ship is equipped to support physical, chemical and biological investigations. A wet lab is available for processing biological samples, as well as a sonar system for sea floor mapping and over-the-side sampling equipment for benthic and water column sampling. The *OSV Anderson* has played an important role in monitoring the coral reef habitat as part of EPA's Water Quality Protection Program for the Florida Keys National Marine Sanctuary. In other actions, the ship located drums of arsenic lost from a cargo ship during a storm over a sensitive fishery habitat, off the mouth of Delaware Bay. This action helped to ensure all containers were recovered. The ship supports regional EPA programs to monitor coastal conditions from Maine to the Gulf of Mexico.

The scientists and crew aboard the *OSV Anderson* have collaborated with other Federal agencies, States, and universities to monitor and evaluate a variety of sensitive marine ecosystems. The *OSV Anderson* has assisted Caribbean nations in the evaluation of coastal habitat as part of capacity building efforts in the Wider Caribbean. It has helped our Caribbean neighbors by serving as a platform in the Dominican Republic and Jamaica for baseline coastal monitoring in these countries. For more information, visit our website at:

<http://www.epa.gov/owow/coastal/Anderson/Anderson.html>



Measuring 180 feet in length, the Research Vessel ***Lake Guardian*** travels throughout the Great Lakes implementing monitoring, research, and education programs. As part of its long-term trends monitoring program, the USEPA's Great Lakes National Program Office conducts regular physical, biological, and water quality monitoring surveys on the Great Lakes. In addition, the ***RV Lake Guardian*** conducts a variety of special studies and research on Great Lakes issues such as sediment contamination, sediment transport and currents, and the deposition of air pollutants. To encourage Great Lakes research, the Great Lakes National Program Office also offers ship time to other Federal, State and university scientists for their research and monitoring activities as the ship's schedule allows. The ship is often used for joint monitoring and research efforts between the U.S. and Canada. The ***RV Lake Guardian*** also serves an important role as an education platform. It is used to educate teachers and students about the Great Lakes ecosystem. To help protect the Great Lakes ecosystem, the ***RV Lake Guardian*** is the only self-contained research ship on the Great Lakes – this means that it does not discharge its sewage or gray water into the Lakes.

To learn more about the ***RV Lake Guardian***, please visit us online at: <http://www.epa.gov/glnpo/guard/ship.html>.

Fun Fact for Kids: Can you name all of the Great Lakes? **Huron, Ontario, Michigan, Erie, and Superior.** You can remember their names if you remember that they spell HOMES.